

GIS Visualization Tools – Help

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Need Help?

You can explore the Business Dynamics Statistics (BDS) data in several different ways using the GIS visualization tools. Choose from a variety of visualizations – maps, bar charts, time series graphs. Zoom in for a closer look. When you are ready to explore new data, choose a new chart type or change your options. When you have results you want to keep, you can print and save your charts and data.

Explore the links below for help with the visualization tools.

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What Can I See with the Visualization Tools?

Thematic Map: Allow you to see how a measure differs by state to identify geographic patterns in business dynamics for a single year of data. You can examine specific sizes and ages of firms as well as preview long-term trends for a specific state.

Bar Charts: There are four ways you can examine the Business Dynamics data in the bar chart section. Each page has a combination of two of the following variables: measures, sectors, and states. These charts let you make comparisons based on the size and size of time for a single year of data.

Time Series: There are five visualizations presented a single year of data, this section lets you see all years of data at the same time as a time series. You can explore a measure and optionally select a time slice and/or age that interests you. This interactively turn on and off individual states or sectors of the economy to see how they have changed over time.

Available Measures	Look at the Data By ...
Number of firms	Sector
Number of establishments	State
Employment	Firm Size
Establishments born during the last 12 months	Firm Age
Establishment birth rate	Year
Establishments exiting during the last 12 months	
Establishment exit rate	
Jobs created over the last 12 months	
Jobs destroyed by establishment exit over the last 12 months	
Jobs created by continuing establishments over the last 12 months	
Job creation rate from establishment births	
Job creation rate	
Jobs destroyed within the last 12 months	
Jobs destroyed by establishment exit over the last 12 months	
Jobs destroyed at continuing establishments over the last 12 months	
Job destruction rate from establishment exit	
Job destruction rate	
Net job creation	
Net job creation rate	
Replacement rate	

Site Navigation

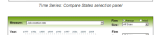
Use the menu at the top left to navigate between sections of the tool. There are several sections of this website that allow you to interact with, analyze, and download the Business Dynamics Statistics: Thematic Map, Bar Charts, Time Series.



Creating Charts, Graphs, and Maps

You can create a bar chart, time series graph, or map by making a few point-and-click selections.

1. Choose the type of visualization you are interested in from the menu
 - o Bar Charts (compare sectors by measure, states by measure, measure by sector, or measure by state)
 - o Time Series (compare sectors or states)
 - o Thematic Map
2. Choose the measure, year, and firm characteristics you want to visualize in the selection panel - available options differ with each visualization tool (examples shown below)



3. In some tools, you can also select measures at firm characteristics in a side panel

Examples of side selection panels that appear on different visualization tools

Interacting with the Visualizations

Zooming the Charts and Graphs

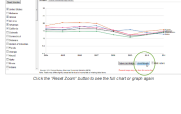
You can zoom in on selected areas of your chart or graph.

1. Create a chart or graph
2. Drag a box around the area of the bar charts or time graphs you want to zoom in on



Drag a box around the area you want to zoom in on

3. Click the 'Reset Zoom' button to see the full chart or graph again

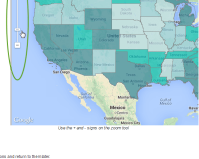


Click the 'Reset Zoom' button to see the full chart or graph again

Zooming the Maps

You can zoom in on selected areas of your map.

1. Create a map
2. Use the '+' and '-' signs on the zoom tool, the mouse wheel, or double-click to zoom



Use the '+' and '-' signs on the zoom tool

Bookmarking Your Visualizations

Selections are recorded in the URL, so you can bookmark your visualizations and return to them later.

Note: You can make additional selections in side selection panels on some visualization tools that allow you to add/remove categories (for example, sectors). These selections will not be saved with your bookmark unless you change something in the selection panel at the top.

Saving Visualizations

You can save your visualization chart or graph as a portable file in graphics (PNG) image.

Note: You cannot currently save maps as an image. This feature is under development.

1. Create the desired chart or graph
2. Click the 'Save as image' button



Click the 'Save as image' button in Bar Charts or Time Series

3. Click 'Save' in the Save Preview box



Click 'Save'

4. Choose the location where you want to save the file and type in a descriptive filename

Choose the location where you want to save the file and type in a descriptive filename

5. Click the 'Save' button

Downloading and Saving Data

You can download and save the data underlying your visualization as a comma-delimited (CSV) file.

1. Create the desired chart, graph, or map
2. Select the View Underlying Data tab
 - You can select the View Underlying Data tab directly in Bar Charts and Time Series. In the Thematic Map, click the embedded time series chart and then select the View Underlying Data tab on the resulting pop-up window.



Select the View Underlying Data tab directly in Bar Charts or Time Series



Click the embedded time series chart in the Thematic Map

3. Click the 'Save Data' button

4. Choose the location where you want to save the file and type in a descriptive filename

Choose the location where you want to save the file and type in a descriptive filename

5. Click the 'Save' button